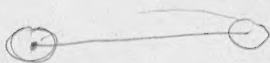


H 5184 -  
5225.

D 5785 -  
5797.



H. 5223 same D5790



D 5790

Dredge } No. 5184 Date, October 8, 1912  
Hydrog. }

Sdg. Mch. TN Reel TN Shot Lead 14 lbs.

Turns Cor'n Depth 3 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make TZ No. 1019 - 1023 Cor'n { Instr. Stem.

Bottom Reading 63.2-63.2 Cor'd Temp. 63.03

Temp. Surf. { 63.2 Time 2:02 PM Air { 58.5  
63.08 Time

Density: Surf. fms.

Wind: Direction SW Force 3-5

Baromet. 30.04 Amt. of Clouds 7 State of Sea S

Weather fog

Direction and Force of Current { Surface { 50 rev in 36 sec.  
Bottom { 50 " " 37 "

Tide Ebb

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul Intermediate

Apparatus and Rig used 4' Inter. & 2 Kofids

Time towing h. 12 m.

Remarks: Eckman water bottle used

Deck Officer Mr. King Recorder A. K. K.

SOUNDING WIRE.				FMS.	DREDGING CABLE.			
P. M. Down.	Up.	P.	M.		P. M. Down.	Up.	P.	M.
1	52	00	2	08	0	1	52	00
				100				
				200				
				300				
				400				
				500				
				600				
				700				
				800				
				900				
				1000				
				1100				
				1200				
				1300				
				1400				
				1500				
				1600				
				1700				
				1800				
				1900				
				2000				
				2100				
				2200				
				2300				
				2400				
				2500				
				2600				
				2700				
				2800				
				2900				
				3000				
				3100				
				3200				
				3300				
				3400				
				3500				
				3600				
				3700				
				3800				
				3900				
				4000				
				4100				
				4200				
				4300				
				4400				
				4500				
				4600				
				4700				
				4800				
				4900				

~~Bridge~~ } No. 5185 Date, October 8, 1912  
Hydrog. }

Sdg. Mch. TN Reel TN Shot Lead 14 lbs.

Turns Cor'n Depth 4 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make TZ  
No. 1019 - 1023 Cor'n { Instr.  
Stem.

Bottom Reading 63.1 - 63.1 Cor'd Temp. 62.93

Temp. Surf. { 63.5 Time 2:28:30 } Air { 58  
63.38 Time

Density: Surf. fms.

Wind: Direction SW Force 3-5

Baromet. 30.01 Amt. of Clouds 7 State of Sea C

Weather fog

Direction and Force of Current { Surface 50 rev. in 35 Sec.  
Bottom 50 " 34 "

Tide Ebb

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul Inter

Apparatus and Rig used 4' Inter x 2 Kofids

Time towing h. 12 m.

Remarks: Ectman wtr. bottle used

Deck Officer Mr. King Recorder Attili -

SOUNDING WIRE.						FMS.	DREDGING CABLE.								
P M. Down.			Up.	P M.			P M. Down.			Up.	P M.				
2	18	30	2	28	30	0	2	18	00	2	30	00			
						100									
						200									
						300									
						400									
						500									
						600									
						700									
						800									
						900									
						1000									
						1100									
						1200									
						1300									
						1400									
						1500									
						1600									
						1700									
						1800									
						1900									
						2000									
						2100									
						2200									
						2300									
						2400									
						2500									
						2600									
						2700									
						2800									
						2900									
						3000									
						3100									
						3200									
						3300									
						3400									
						3500									
						3600									
						3700									
						3800									
						3900									
						4000									
						4100									
						4200									
						4300									
						4400									
						4500									
						4600									
						4700									
						4800									
						4900									

Dredge } No. 5186 Date, Oct 8, 1912  
Hydrog. }

Sdg. Mch. TN Reel TN Shot Lead 14 lbs.

Turns Cor'n Depth 4 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make NZ No. 1019 - 1023 Cor'n { Instr. Stem.

Bottom Reading 62.9 - 62.9 Cor'd Temp. 62.73

Temp. Surf. { 63.6 Time 2:54 Air { 57  
62.88 Time

Density: Surf. fms.

Wind: Direction SW Force 4

Baromet. 30.02 Amt. of Clouds 7 State of Sea C

Weather haze

Direction and Force of Current { Surface { 50 revs. in 37 sec.  
Bottom { 50 " " 36 "

Tide Ebb

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul Inter.

Apparatus and Rig used 4' Inter. & 2 Kofids

Time towing h. 11 1/4 m.

Remarks: Eckman water bottle used.

Deck Officer Mr. King Recorder Atukil-



SOUNDING WIRE.				FMS.	DREDGING CABLE.						
<u>P</u> M. DOWN.	UP.	<u>P</u> M.	<u>P</u> M. DOWN.		UP.	<u>P</u> M.					
2	42	00	2	52	00	2	42	00	2	53	30
				0							
				100							
				200							
				300							
				400							
				500							
				600							
				700							
				800							
				900							
				1000							
				1100							
				1200							
				1300							
				1400							
				1500							
				1600							
				1700							
				1800							
				1900							
				2000							
				2100							
				2200							
				2300							
				2400							
				2500							
				2600							
				2700							
				2800							
				2900							
				3000							
				3100							
				3200							
				3300							
				3400							
				3500							
				3600							
				3700							
				3800							
				3900							
				4000							
				4100							
				4200							
				4300							
				4400							
				4500							
				4600							
				4700							
				4800							
				4900							

Dredge } No. 5187 Date, Oct 8, 1912  
Hydrog. }  
Sdg. Mch. TN Reel TN Shot 14 lbs.  
Lead }

Turns Cor'n Depth 4 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make N-Z Cor'n { Instr. No. 1019 - 1023 Stem.

Bottom Reading 62.1 - 62.0 Cor'd Temp. 61.88

Temp. Surf. { 62.8 Time 3:25:30 } Air { 57  
62.68 Time

Density: Surf. fms.

Wind: Direction SW Force 4

Baromet. 30.03 Amt. of Clouds 8 State of Sea S

Weather fog

Direction and Force of Current { Surface 60 rev. in 34 Sec.  
Bottom 60 " " 35

Tide Ebb

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul Inter.

Apparatus and Rig used 4' Inter. & 2 Keffids

Time towing h. 12 m.

Remarks: Ectomas wtr. bot. used.

Deck Officer Mr. King Recorder A. T. T. J.

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
<i>P</i> M. Down.	Up.	<i>P</i> M.		<i>P</i> M. Down.	Up.	<i>P</i> M.
<i>2</i> 15 30	3	25 30	0	<i>2</i> 15 00	3	27 00
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge } No. 15188 Date, Oct 7, 1912  
Hydrog. }

Sdg. Mch. T.N. Reel T.N. Shot Lead 12 lbs.

Turns Cor'n Depth 8 1/2 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make H.G. Cor'n { Instr. No. 2 1019 R 1023 Stem.

Bottom Reading 25.15.1 Cor'd Temp. 54.93

Temp. Surf. { Time 17.34 } Air { 58° 55.78 Time

Density: Surf. fms.

Wind: Direction Various Force 0-1

Baromet. 30.04 Amt. of Clouds 0 State of Sea 2

Weather 2

Direction and Force of Current { Surface 10 Revs 55 Revs Bottom

Tide Ebb

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul Inter.

Apparatus and Rig used 4' Inter: 2 1/2 fms. to

Time towing h. 13 m.

Remarks: Bottom water collected

Found fine minute mud & silt.

Deck Officer Ben. G. Recorder H. W. 11-10-12

## SOUNDING WIRE.

FMS.

## DREDGING CABLE.

M. Down. Up. M.

M. Down. Up. M.

10 19 20 10 29

17 4

10 19 20 10 29

-100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

Temperature

Bottom: cor. 56.03

L. 56.64 56.64

Surface: 56.5 56.38

Tide

40 min 56.1 sec

40 min 56.2 sec

11 07 00 56.50

Temperature 55.33

Bottom: 56.03 56.03

Surface: 55.78 55.78

Tide: 40 min 56.2 sec

Bottom: 56.03 56.03

Surface: 55.78 55.78

Tide

Hydrog. No. 5121 Date, Oct 19, 1917

Sdg. Mch. Reel Sdg. Lead 14 lbs.

Turns Cor'n Depth 6 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make No. 10191102 Cor'n { Instr. Stem.

Bottom Reading 56 Cor'd Temp. 56.2

Temp. Surf. { 56.6 Time 1:00 } Air { 56.6 Time 1:00 }

Density: Surf. fms.

Wind: Direction S. Force 1-2

Baromet. 30.02 Amt. of Clouds 0 State of Sea S.

Weather

Direction and Force of Current { Surface 3.4 Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing 20 m.

Remarks: water bottle used

Five minutes under

Deck Officer Recorder

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
<i>P</i> M. DOWN.	UP.	<i>P</i> M.		<i>P</i> M. Down.	UP.	<i>P</i> M.
/ 13 00	/ 33 00		12 00	/ 13 00	/ 33 00	
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Deck Officer. *Wm. J. [unclear]* Recorder *C. [unclear]*  
11-1023



SOUNDING WIRE.			FMS.	DREDGING CABLE.		
<i>P</i> M. DOWN.	UP.	<i>P</i> M.		<i>P</i> M. DOWN.	UP.	<i>P</i> M.
1	44	30	1	44	00	2 02 30
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

11-10295



Hydrog. } No. 1 Date, 12/1/19

Sdg. Mch. Reel Shot/Lead lbs.

Turns Cor'n Depth 2 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make No. 10171112 Cor'n { Instr. Stem.

Bottom Reading 57.3 Cor'd Temp. 57.08

Temp. Surf. { 58.68 Time 2:52 Air {

Density: Surf. fms.

Wind: Direction S Force 1

Baromet. 30.00 Amt. of Clouds 0 State of Sea S

Weather 132

Direction and Force of Current { Surface Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Remarks: Time towing h. 1 m.

Deck Officer Recorder

## SOUNDING WIRE.

0 M. Down. Up. 0 M.

2 11 00 2 51 00

FMS.

0  
100  
200  
300  
400  
500  
600  
700  
800  
900  
1000  
1100  
1200  
1300  
1400  
1500  
1600  
1700  
1800  
1900  
2000  
2100  
2200  
2300  
2400  
2500  
2600  
2700  
2800  
2900  
3000  
3100  
3200  
3300  
3400  
3500  
3600  
3700  
3800  
3900  
4000  
4100  
4200  
4300  
4400  
4500  
4600  
4700  
4800  
4900

## DREDGING CABLE.

0 M. Down. Up. 0 M.

2 42 00 2 51 00

~~Hydrog.~~ } No. 2143 Date, 16, 1911  
Sdg. Mch.                      Reel                      Shot /                      lbs.  
Turns                      Cor'n                      Depth 14 fms.  
Sdg. Cup                      Amt. Bot'm Sample                       
Character of Bottom                     

Thermom. { Make 3 } Instr.                       
                    { No.                      } Cor'n { Stem.                     

Bottom Reading                      Cor'd Temp. 57.78

Temp. Surf. { 59 } Time 3:16 } Air { 71 }  
                    { 58.88 } Time                     

Density: Surf.                      fms.                     

Wind: Direction S Force 1

Baromet. 30.00 Amt. of Clouds 0 State of Sea S

Weather                     

Direction and Force of Current { Surface 23 }  
  { Bottom                     

Tide ebb

General Locality                     

Position                     

Chart used: No.                      Ed'n                     

Drift: Direction                      Distance                     

Depth of Haul 21

Apparatus and Rig used                     

Time towing                      h. 11 m.                     

Remarks:                     

Deck Officer                      Recorder

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
<i>✓</i> M. DOWN.	UP.	<i>✓</i> M.		<i>✓</i> M. DOWN.	UP.	<i>✓</i> M.
3	0-30	3	0	3	0-30	3
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Trawl Hydrog. No. 146 Date, Oct 1, 1912

Sdg. Mch. T. Reel 1 Shot Lead 1 lbs.

Turns Cor'n Depth 7 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make N. 3. No. 1 Cor'n { Instr. Stem.

Bottom Reading 57.6 Cor'd Temp. 57.53

Temp. Surf. { 60.0 Time 3:15 } Air { 60.0 Time 1:16 }

Density: Surf. fms.

Wind: Direction W. Force 1

Baromet. 30.00 Amt. of Clouds 0 State of Sea C

Weather B3.

Direction and Force of Current { Surface 76 Bottom

Tide Ebb

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul 100

Apparatus and Rig used 1' 1/2' 2' 3' 4' 5' 6' 7' 8' 9' 10'

Remarks: Time towing 1 h. 15 m.

Deck Officer Recorder



## SOUNDING WIRE.

70 M. Down. Up. 70 M.

3 47 00 3 57 00

FMS.

0  
100  
200  
300  
400  
500  
600  
700  
800  
900  
1000  
1100  
1200  
1300  
1400  
1500  
1600  
1700  
1800  
1900  
2000  
2100  
2200  
2300  
2400  
2500  
2600  
2700  
2800  
2900  
3000  
3100  
3200  
3300  
3400  
3500  
3600  
3700  
3800  
3900  
4000  
4100  
4200  
4300  
4400  
4500  
4600  
4700  
4800  
4900

## DREDGING CABLE.

70 M. Down. Up. 70 M.

3 47 00 3 57 00

Bridge } No. 715 Date, Oct 9, 1912  
Hydrog. }  
Sdg. Mch. 715 Reel 715 Shot } 14 lbs.  
Lead }  
Turns Cor'n Depth 7 fms.  
Sdg. Cup Amt. Bot'm Sample 1  
Character of Bottom

Thermom. { Make N2L Cor'n { Instr. Stem.  
No. 1022  
Bottom Reading 60.0 - 60.0 Cor'd Temp. 54.5  
Temp. Surf. { 60.3 Time 4:20\* } Air { 60.5  
60.18 Time

Density: Surf. fms.  
Wind: Direction West Force 1  
Baromet. 30.00 Amt. of Clouds 0 State of Sea S  
Weather B

Direction and Force of Current { Surface 70 - 25  
Bottom 60 - 25  
Tide 2.5

General Locality  
Position  
Chart used: No. Ed'n  
Drift: Direction Distance  
Depth of Haul 200  
Apparatus and Rig used 4' Black 2' Nylon

Time towing 11 m.  
Remarks: 3 shrimp with bait. The bottom haul did not yield anything; landed up in 10 min. time.

SOUNDING WIRE.		FMS.	DREDGING CABLE.		
M. Down.	Up. (M.		M. Down.	Up.	M.
2 1/2 20 4 22 00		0	2 1/2 20	4 27 30	
		100			
		200			
		300			
		400			
		500			
		600			
		700			
		800			
		900			
		1000			
		1100			
		1200			
		1300			
		1400			
		1500			
		1600			
		1700			
		1800			
		1900			
		2000			
		2100			
		2200			
		2300			
		2400			
		2500			
		2600			
		2700			
		2800			
		2900			
		3000			
		3100			
		3200			
		3300			
		3400			
		3500			
		3600			
		3700			
		3800			
		3900			
		4000			
		4100			
		4200			
		4300			
		4400			
		4500			
		4600			
		4700			
		4800			
		4900			

Dredge } No. 512 Date, Oct 10, 1912  
Hydrog. }  
Sdg. Mch. TM Reel TM Shot 14 lbs.  
Leads }  
Turns Cor'n Depth 11 fms.  
Sdg. Cup Amt. Bot'm Sample  
Character of Bottom

Thermom. { Make NR Cor'n { Instr.  
              { No. 1214 - 1225       { Stem.  
Bottom Reading 61.2 Cor'd Temp. 61.03  
Temp. Surf. { 61.3 Time 4:15 a } Air { 57  
                  { 61.18 Time        }       {

Density: Surf. fms.  
Wind: Direction NW Force 1-2  
Baromet. 30.24 Amt. of Clouds 2 State of Sea 2  
Weather fog

Direction and Force of Current { Surface { 20 m. S. Sec  
  { Bottom {  
Tide Flood

General Locality  
Position  
Chart used: No. Ed'n  
Drift: Direction Distance  
Depth of Haul Inter  
Apparatus and Rig used S. Inter. & Refine

Time towing h. 10 m.  
Remarks: Bottom water bottle used

Deck Officer Tr. C. Recorder. 11-1023

## SOUNDING WIRE.

FMS.

## DREDGING CABLE.

M. Down. | Up. M.

M. Down. | Up. M.

91200 91200

91200 91200

0  
100  
200  
300  
400  
500  
600  
700  
800  
900  
1000  
1100  
1200  
1300  
1400  
1500  
1600  
1700  
1800  
1900  
2000  
2100  
2200  
2300  
2400  
2500  
2600  
2700  
2800  
2900  
3000  
3100  
3200  
3300  
3400  
3500  
3600  
3700  
3800  
3900  
4000  
4100  
4200  
4300  
4400  
4500  
4600  
4700  
4800  
4900

60.48

61.38

Dredge } No. 112 Date, Dec 1912

Sdg. Mch. 1/1 Reel TN Shot 14 lbs.

Turns Cor'n Depth 8 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make NI Cor'n { Instr. No. 1019 - 1023 Stem.

Bottom Reading 61.0 - 61.0 Cor'd Temp. 60.83

Temp. Surf. { 61.2 Time 9:50 a } Air { 71 Time

Density: Surf. fms.

Wind: Direction West Force 1

Baromet. 30.2 Amt. of Clouds 1 State of Sea

Weather Bce

Direction and Force of Current { Surface Bottom

Tide F Flood

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul 122m

Apparatus and Rig used 4' ...

Time towing h. 10 1/4 m.

Remarks: ...

Deck Officer Recorder

SOUNDING WIRE.		FMS.	DREDGING CABLE.		
A.M. Down.	Up. A.M.		A.M. Down.	Up.	A.M.
0.0.15.0.50.50		0	0.0.15.0.50.50	9	50.15
		100			
		200			
		300			
		400			
		500			
		600			
		700			
		800			
		900			
		1000			
		1100			
		1200			
		1300			
		1400			
		1500			
		1600			
		1700			
		1800			
		1900			
		2000			
		2100			
		2200			
		2300			
		2400			
		2500			
		2600			
		2700			
		2800			
		2900			
		3000			
		3100			
		3200			
		3300			
		3400			
		3500			
		3600			
		3700			
		3800			
		3900			
		4000			
		4100			
		4200			
		4300			
		4400			
		4500			
		4600			
		4700			
		4800			
		4900			

Dredge } No. 5106 Date, Dec 10, 1912

Sdg. Mch. 775 Reel Shot Lead 10 lbs.

Turns Cor'n Depth 6 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make NZ Cor'n { Instr. No. 1017 - 1023 Stem.

Bottom Reading 61.0 - 61.0 Cor'd Temp. 60.83

Temp. Surf. { 61.7 Time 1:24 Air { 70  
61.08 Time

Density: Surf. fms.

Wind: Direction West Force 1

Baromet. 30.2 Amt. of Clouds 2 State of Sea S

Weather

Direction and Force of Current { Surface 50 Bottom

Tide Flood

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul 7 fms.

Apparatus and Rig used 4'

Time towing h. 10 m.

Remarks: F.C. 1017 - 1023

Deck Officer Recorder



SOUNDING WIRE.		FMS.	DREDGING CABLE.	
<i>a</i> M. Down.	Up. <i>a</i> M.		<i>a</i> M. Down.	Up. <i>a</i> M.
<i>10 21 30 12 30</i>		0	<i>10 23 00 12 32 00</i>	
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		
		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		
		4100		
		4200		
		4300		
		4400		
		4500		
		4600		
		4700		
		4800		
		4900		

Dredge } No. 1000 Date, Oct 5, 1912

Sdg. Mch. T.H. Reel Shot Lead lbs.

Turns Cor'n Depth 5 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make NZ No. 1011 - 1022 Cor'n { Instr. Stem.

Bottom Reading 61 - 61 Cor'd Temp. 60.83

Temp. Surf. { 61.0 Time 11:08 a } Air { 70 }  
60.88 Time

Density: Surf. fms.

Wind: Direction West Force 0-1

Baromet. 30.22 Amt. of Clouds 0 State of Sea

Weather 3

Direction and Force of Current { Surface { 30 revs in 35 sec  
Bottom { 1/2 " " 43 "

Tide Flood

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul Totten

Apparatus and Rig used 4' Totten

Time towing h. 12 m.

Remarks: 15 min. at 12 m.

Deck Officer Mr. Clance Recorder

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
<u>A.M.</u> Down.	Up.	<u>A.M.</u>		<u>A.M.</u> Down.	Up.	<u>A.M.</u>
10 57 30	11 08 00		0	10 58 00	11 10 00	
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Hydrog. } No. 50-2 Date, Oct 10, 1911

Sdg. Mch. \_\_\_\_\_ Reel \_\_\_\_\_ Shot \_\_\_\_\_ Lead \_\_\_\_\_ lbs.

Turns	Cor'n	Depth	fms.
-------	-------	-------	------

*Sdg. Cup* \_\_\_\_\_ *Amt. Bot'm*  
*Sample* \_\_\_\_\_

*Character of Bottom*

Thermom. { Make 14 ----- Cor'n { Instr. -----  
              { No. 1019 - 1023 -----               { Stem. -----

Bottom Reading 6 - 50 Cor'd Temp. 59.63

Temp. Surf. {  $\left. \begin{array}{l} 60.5 \\ 60.38 \end{array} \right\}$  Time  $\left. \begin{array}{l} 11.50 \text{ a} \\ \text{-----} \end{array} \right\}$  Air {  $\left. \begin{array}{l} 68 \\ \text{-----} \end{array} \right\}$

Density: Surf. \_\_\_\_\_ fms. \_\_\_\_\_

Wind: Direction North Force 0-1

Baromet. 30.20 Amt. of Clouds 0 State of Sea 6

Weather 76

Direction and Force of Current.	Surface	40 fms ~ 24 Sec
	Bottom	40 . ~ 35 .

Tide ... Low

*General Locality*

Position .....

Chart used: No. Ed'n

Drift: Direction . . . . . Distance . . . . .

Depth of Haul. Inter.

#### Apparatus and Rig used

Time towing h. 10 m.

Remarks: \_\_\_\_\_

Deck Officer . . . . . Recorder . . . . .

SOUNDING WIRE.		FMS.	DREDGING CABLE.	
M. Down.	Up. M.		M. Down.	Up. M.
11 46.00	11 50.00	0	11 46.00	11 50.00
		100		
		200		
		300		
		400		
		500		
		600		
		700		
		800		
		900		
		1000		
		1100		
		1200		
		1300		
		1400		
		1500		
		1600		
		1700		
		1800		
		1900		
		2000		
		2100		
		2200		
		2300		
		2400		
		2500		
		2600		
		2700		
		2800		
		2900		
		3000		
		3100		
		3200		
		3300		
		3400		
		3500		
		3600		
		3700		
		3800		
		3900		
		4000		
		4100		
		4200		
		4300		
		4400		
		4500		
		4600		
		4700		
		4800		
		4900		

Hydrog. No. 1 Date, Oct 12, 1912

Sdg. Mch. Reel 1 Shot 14 lbs.

Turns Cor'n Depth 8 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make 7.2 Cor'n { Instr. No. 1212 Stem.

Bottom Reading 59.5° R 59.5° Cor'd Temp. 59.2.3

Temp. Surf. { 59.8° Time 12:30.0 } Air { 67° 59.68 Time

Density: Surf. fms.

Wind: Direction Various Force 0-2

Baromet. 30.17 Amt. of Clouds 0 State of Sea

Weather

Direction and Force of Current { Surface 30 rev. to 34 sec. Bottom 40 - to

Tide Flood

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul Inter

Apparatus and Rig used 4' Dredge 1 similar

Time towing h. 1 m.

Remarks:

Deck Officer Recorder

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
P. M. Down.			Up.		P. M.		P. M. Down.			Up.		P. M.
12	10	30	12	20	30	0	12	10	30	12	20	15
						100						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
						1000						
						1100						
						1200						
						1300						
						1400						
						1500						
						1600						
						1700						
						1800						
						1900						
						2000						
						2100						
						2200						
						2300						
						2400						
						2500						
						2600						
						2700						
						2800						
						2900						
						3000						
						3100						
						3200						
						3300						
						3400						
						3500						
						3600						
						3700						
						3800						
						3900						
						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

Hydrog. No. 1000 Date, Oct 10, 1900

Sdg. Mch. 1000 Reel 1000 Shot Lead 14 lbs.

Turns Cor'n Depth 11 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make Tag. Cor'n { Instr. No. 1019 R. 1023 Stem.

Bottom Reading L. S. B. Cor'd Temp. 58.53

Temp. Surf. { 60.1° Time Air { 67° 59.9° Time

Density: Surf. fms.

Wind: Direction Station Force 0-1

Baromet. 30.1 Amt. of Clouds State of Sea

Weather

Direction and Force of Current { Surface 2.0 4.0 5.0 Bottom 1.0 1.0 1.0 2.0 1.0

Tide T. Low

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used 4' net

Time towing 1.2 m.

Remarks:

Deck Officer Recorder



SOUNDING WIRE.						FMS.	DREDGING CABLE.					
M. Down.			Up.				M. Down.			Up.		
12	42	50	12	53	15	0	12	45	40	12	53	20
						100						
						200						
						300						
						400						
						500						
						600						
						700						
						800						
						900						
						1000						
						1100						
						1200						
						1300						
						1400						
						1500						
						1600						
						1700						
						1800						
						1900						
						2000						
						2100						
						2200						
						2300						
						2400						
						2500						
						2600						
						2700						
						2800						
						2900						
						3000						
						3100						
						3200						
						3300						
						3400						
						3500						
						3600						
						3700						
						3800						
						3900						
						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

~~Depth~~ } No. 200 Date Oct 1, 1900  
Hydrog. }  
Sdg. Mch. Reel Shot & Lead lbs.  
Turns Cor'n Depth fms.  
Sdg. Cup Amt. Bot'm Sample  
Character of Bottom

Thermom. { Make No. Cor'n { Instr. Stem.  
Bottom Reading Cor'd Temp. 59.8  
Temp. Surf. { 60.2 Time Air { 60.15 Time

Density: Surf. fms.  
Wind: Direction Force  
Baromet. 30.25 Amt. of Clouds 0 State of Sea S  
Weather

Direction and Force of Current { Surface Bottom  
Tide

General Locality  
Position

Chart used: No. Ed'n  
Drift: Direction Distance  
Depth of Haul  
Apparatus and Rig used

Time towing h. 1 m.  
Remarks: Collected water from 10 fms.

Deck Officer Mr. Dancy Recorder 11-1023

## SOUNDING WIRE.

M. Down.	Up.	M.
7 45 00	7	50 00

FMS.

0  
100  
200  
300  
400  
500  
600  
700  
800  
900  
1000  
1100  
1200  
1300  
1400  
1500  
1600  
1700  
1800  
1900  
2000  
2100  
2200  
2300  
2400  
2500  
2600  
2700  
2800  
2900  
3000  
3100  
3200  
3300  
3400  
3500  
3600  
3700  
3800  
3900  
4000  
4100  
4200  
4300  
4400  
4500  
4600  
4700  
4800  
4900

## DREDGING CABLE.

M. Down.	Up.	M.
7 45 00	7	50 00

Direct. } No. 1250 Date, Oct 1, 1912

Hydrog. } Sdg. Mch. Tanner Reel In Shot Lead lbs.

Turns Cor'n Depth 10 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make No. 1023 Cor'n { Instr. Stem.

Bottom Reading 60.7, 60.5 Cor'd Temp. 60.66

Temp. Surf. { 61° Time 8:20 AM } Air { 61° Time

Density: Surf. fms.

Wind: Direction W Force 0

Baromet. 30.25 Amt. of Clouds 0 State of Sea 3

Weather b. c.

Direction and Force of Current { Surface Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul Ints.

Apparatus and Rig used 4 Ints. 18 ft. do.

Time towing h. 10 m.

Remarks: Collected water bottle used.

Deck Officer H. C. H. Recorder H. C. H.

## SOUNDING WIRE.

M. Down. | Up. | M.

FMS.

## DREDGING CABLE.

M. Down. | Up. | M.

0  
100  
200  
300  
400  
500  
600  
700  
800  
900  
1000  
1100  
1200  
1300  
1400  
1500  
1600  
1700  
1800  
1900  
2000  
2100  
2200  
2300  
2400  
2500  
2600  
2700  
2800  
2900  
3000  
3100  
3200  
3300  
3400  
3500  
3600  
3700  
3800  
3900  
4000  
4100  
4200  
4300  
4400  
4500  
4600  
4700  
4800  
4900

Dredge } No. 5205 Date, Oct 1, 1912  
Hydrog. }

Sdg. Mch. Reel Shot Lead lbs.

Turns Cor'n Depth 8 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make No. Cor'n { Instr. Stem.

Bottom Reading 61.88 Cor'd Temp. 61.76

Temp. Surf. { 61.88 Time 8:14 Air { 61.76

Density: Surf. fms.

Wind: Direction N.W. Force 0

Baromet. 30.25 Amt. of Clouds 0 State of Sea S

Weather b.c.

Direction and Force of Current { Surface S.D. 33-34-26-1 Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul 100

Apparatus and Rig used

Time towing h. m.

Remarks:

Deck Officer Recorder

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
8 31.20	8 1.12		0	8 38.20		
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

~~Wedge~~ } No. 206 Date, Oct 11, 1912

Sdg. Mch. Tanner Reel J.N. Shot 14 lbs.

Turns Cor'n Depth 6 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make 21 30 Cor'n { Instr. No. 1511 Stem.

Bottom Reading 120 Cor'd Temp. 61.6

Temp. Surf. { 61.1 Time 65 } . Air { 61.7 Time

Density: Surf. fms.

Wind: Direction N.W. Force 0

Baromet. 30.1 Amt. of Clouds 0 State of Sea S

Weather bcy.

Direction and Force of Current { Surface 50 Knts 30 Secs Bottom 50 Knts 30 Secs

Tide Low

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul 100

Apparatus and Rig used 4' Inter. nets

Time towing h. 1 m. Remarks: 1 net in 11 min. 1 net in 11 min.

Deck Officer Wm. J. Mc Recorder 11-1023



## SOUNDING WIRE

M. Down. | Up. | M.

FMS.

## DREDGING CABLE

M. Down. | Up. | M.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

7 08 00 9 17 00

~~Hydrog.~~ No. 153 Date, Oct 1, 1912  
Sdg. Mch. Reel Shot/Lead lbs.  
Turns Cor'n Depth 7 fms.  
Sdg. Cup Amt. Bot'm Sample  
Character of Bottom

Thermom. { Make 2130 Cor'n { Instr. Stem.  
No. 2130  
Bottom Reading 2,621.1 v 62.7 Cor'd Temp. 61.83  
Temp. Surf. { 62.7 Time 9.43 Air { 66  
62.08 Time 62.06

Density: Surf. fms.  
Wind: Direction n.w. Force 0  
Baromet. 30.25 Amt. of Clouds 0 State of Sea S  
Weather bcg

Direction and Force of Current { Surface Bottom

Tide

General Locality

Position

Chart used: No.

Ed'n

Drift: Direction

Distance

Depth of Haul. Inti

Apparatus and Rig used. 4' Inti

Time towing h. 11 m. 17  
Remarks: Edm

Deck Officer

Recorder

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
9 32 30	9 42 30		0	9 32 30	1 11	
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Tidegauge } No. 1234 Date, Jan 1, 1912

Sdg. Mch. Reel Shot/Lead lbs.

Turns Cor'n Depth 5 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make No. Cor'n { Instr. Stem.

Bottom Reading 67.2 67.2 Cor'd Temp. 62.2

Temp. Surf. { 67.2 Time 1:00 Air { 67.2 Time

Density: Surf. fms.

Wind: Direction N.W. Force 0

Baromet. 30.25 Amt. of Clouds 0 State of Sea

Weather B. C.

Direction and Force of Current { Surface 2.0 Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul 4 fms.

Apparatus and Rig used 4 fms. 10 fms.

Time towing h. 10 m.

Remarks: 10 fms. 10 fms.

Deck Officer Recorder

## SOUNDING WIRE.

M. Down.	Up.	M.
9 1/2	20	10 1/2

FMS.

## DREDGING CABLE.

M. Down.	Up.	M.
7 1/2	20	10 1/2

0  
100  
200  
300  
400  
500  
600  
700  
800  
900  
1000  
1100  
1200  
1300  
1400  
1500  
1600  
1700  
1800  
1900  
2000  
2100  
2200  
2300  
2400  
2500  
2600  
2700  
2800  
2900  
3000  
3100  
3200  
3300  
3400  
3500  
3600  
3700  
3800  
3900  
4000  
4100  
4200  
4300  
4400  
4500  
4600  
4700  
4800  
4900

11—1025

## SOUNDING WIRE.

M. Down. Up. M.

FMS.

## DREDGING CABLE.

M. Down. Up. M.

0  
100  
200  
300  
400  
500  
600  
700  
800  
900  
1000  
1100  
1200  
1300  
1400  
1500  
1600  
1700  
1800  
1900  
2000  
2100  
2200  
2300  
2400  
2500  
2600  
2700  
2800  
2900  
3000  
3100  
3200  
3300  
3400  
3500  
3600  
3700  
3800  
3900  
4000  
4100  
4200  
4300  
4400  
4500  
4600  
4700  
4800  
4900

Dredge No. 17510 Date, Oct 1, 1902

Sdg. Mch. Reel Shot/Lead lbs.

Turns Cor'n Depth fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make No. Cor'n { Instr. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 62.3 Time 1:30 } Air { 62.0 Time }

Density: Surf. fms.

Wind: Direction Force

Baromet. 30.23 Amt. of Clouds 0 State of Sea S

Weather

Direction and Force of Current { Surface Bottom

Tide

General Locality

Position

Chart used: No. Rd'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. m.

Remarks: 4 hauls, 20 fms. to 100 fms.

Deck Officer Recorder



## SOUNDING WIRE.

M. Down. Up. *H* M.*10* | *44* | *50* | *10* | *54* | *50*

FMS.

## DREDGING CABLE.

*H* M. Down. Up. *H* M.*10* | *44* | *50*

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

Dredge } No. 711 Date, Oct 12, 1912  
Hydrog. }

Sdg. Mch. 715 Reel 715 Shot } 1.5 lbs.  
Lead }

Turns ----- Cor'n ----- Depth 7 fms.

Sdg. Cup ----- Amt. Bot'm Sample -----

Character of Bottom -----

Thermom. { Make 715 Cor'n { Instr. -----  
No. 1000 1002 Stem. -----

Bottom Reading 1000 Cor'd Temp. 56

Temp. Surf. { 60.2 Time 0:20 Air { 77  
60.15 Time -----

Density: Surf. ----- fms. -----

Wind: Direction North Force 2

Baromet. 30.21 Amt. of Clouds ----- State of Sea -----

Weather haze

Direction and Force of Current { Surface { 5.00 in 55 sec  
Bottom " " "

Tide Slack water

General Locality -----

Position -----

Chart used: No. ----- Ed'n -----

Drift: Direction ----- Distance -----

Depth of Haul Inter

Apparatus and Rig used 4' Inter & 2 Kofids

Time towing h. 0.5 m.

Remarks: -----

Deck Officer ----- Recorder -----

## SOUNDING WIRE.

M. Down. Up. M.

FMS.

## DREDGING CABLE.

M. Down. Up. M.

9 12 00 0 20 00

0

0 4 20 9 20 00

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

8 17 00 - 8 27

L. 50.8 T. 1.0

St. file for 8:27 = 60.3

11—10723

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
<del>7</del> M. Down.	Up.	<del>A</del> M.		<del>A</del> M. Down.	Up.	<del>A</del> M.
3200	9	4200	0	9	2200	9
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge } No. 5213 Date, Oct 12, 1917  
Hydrog. }

Sdg. Mch. T. Reel 7 Shot Lead 15 lbs.

Turns Cor'n Depth 10 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make T. B. Cor'n { Instr. No. 1217 = 172 Stem.

Bottom Reading 1: 52.6 2: 52.5 Cor'd Temp. 52.53

Temp. Surf. { 57.9 Time 10:06 Air { 57.78 Time

Density: Surf. fms.

Wind: Direction North Force 2

Baromet. 30.20 Amt. of Clouds 3 State of Sea S

Weather h.

Direction and Force of Current { Surface { 43 Bottom { 36

Tide Flood

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul 3 fms.

Apparatus and Rig used 4' beam trawl

Time towing h. 9 m.

Remarks: 2 specimens of ...  
- 4' beam trawl ...  
... with mud; no ...  
for this apparatus.

Deck Officer W. C. Kelly Recorder J. T. ...

## SOUNDING WIRE.

FMS.

M. Down. Up. M.

9:30 00 10 36 00

0  
100  
200  
300  
400  
500  
600  
700  
800  
900  
1000  
1100  
1200  
1300  
1400  
1500  
1600  
1700  
1800  
1900  
2000  
2100  
2200  
2300  
2400  
2500  
2600  
2700  
2800  
2900  
3000  
3100  
3200  
3300  
3400  
3500  
3600  
3700  
3800  
3900  
4000  
4100  
4200  
4300  
4400  
4500  
4600  
4700  
4800  
4900

## DREDGING CABLE.

M. Down. Up. M.

9:57 00 10 05 00

Dredge } No. 715 Date, Dec 12, 1911

Hydrog. }  
Sdg. Mch. 715 Reel 715 Shot Lead 14 lbs.

Turns \_\_\_\_\_ Cor'n \_\_\_\_\_ Depth 8 fms.

Sdg. Cup \_\_\_\_\_ Amt. Bot'm Sample \_\_\_\_\_

Character of Bottom \_\_\_\_\_

Thermom. { Make NZ Cor'n { Instr. \_\_\_\_\_  
                  { No. 1014                    { Stem. \_\_\_\_\_

Bottom Reading 2.57.8 Cor'd Temp. 51.46

Temp. Surf. { 58.1 Time 10:38:30 A } Air { 60  
                  { 57.99 Time \_\_\_\_\_ } \_\_\_\_\_

Density: Surf. \_\_\_\_\_ fms. \_\_\_\_\_

Wind: Direction 7-10 Force 2

Baromet. 30.18 Amt. of Clouds 3 State of Sea S

Weather 3.

Direction and Force of Current { Surface 40  
  { Bottom 40

Tide Flood

General Locality \_\_\_\_\_

Position \_\_\_\_\_

Chart used: No. \_\_\_\_\_ Ed'n \_\_\_\_\_

Drift: Direction \_\_\_\_\_ Distance \_\_\_\_\_

Depth of Haul 7 miles

Apparatus and Rig used 4' beam trawl

Time towing \_\_\_\_\_ h. 10 m.

Remarks: Specimens taken

Deck Officer W. R. R. R. Recorder Frank J.



## SOUNDING WIRE.

M. Down. Up. M.

FMS.

## DREDGING CABLE.

M. Down. Up. M.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

Sdg. Mch. 115 Reel 1 Shot 14 lbs.

Turns 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 200 210 220 230 240 250 260 270 280 290 300 310 320 330 340 350 360 370 380 390 400 410 420 430 440 450 460 470 480 490 500 510 520 530 540 550 560 570 580 590 600 610 620 630 640 650 660 670 680 690 700 710 720 730 740 750 760 770 780 790 800 810 820 830 840 850 860 870 880 890 900 910 920 930 940 950 960 970 980 990 Cor'n 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 200 210 220 230 240 250 260 270 280 290 300 310 320 330 340 350 360 370 380 390 400 410 420 430 440 450 460 470 480 490 500 510 520 530 540 550 560 570 580 590 600 610 620 630 640 650 660 670 680 690 700 710 720 730 740 750 760 770 780 790 800 810 820 830 840 850 860 870 880 890 900 910 920 930 940 950 960 970 980 990 Depth 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 200 210 220 230 240 250 260 270 280 290 300 310 320 330 340 350 360 370 380 390 400 410 420 430 440 450 460 470 480 490 500 510 520 530 540 550 560 570 580 590 600 610 620 630 640 650 660 670 680 690 700 710 720 730 740 750 760 770 780 790 800 810 820 830 840 850 860 870 880 890 900 910 920 930 940 950 960 970 980 990 8 fms

*Sdg. Cup* \_\_\_\_\_ *Amt. Bot'm* \_\_\_\_\_  
*Sample* \_\_\_\_\_

Character of Bottom .....

Thermom. { Make / Instr.  
              { No. / Stem.

Bottom Reading:  $-2.4$  Air:  $-2.6$  Cor'd Temp.  $57.6$

Temp. Surf. { 56.6 Time 11:45 } Air { 60 }

Density: Surf. fms,

Wind: Direction NE-N Force 2

Baromet.	30.	Amt. of Clouds	1	State of Sea	C
----------	-----	----------------	---	--------------	---

Weather

Direction and Force of Current.	Surface	30 revs in 37 sec
	Bottom	30 " " 35 "

Tide  $\left( \frac{1}{2} \pi - \frac{1}{2} \pi \right)$

General Locality

Position \_\_\_\_\_

Chart used: No. Ed'n

*Drift: Direction* \_\_\_\_\_ *Distance* \_\_\_\_\_

Depth of Haul Inter.

#### Apparatus and Rig used

Time towing \_\_\_\_\_ h. <sup>10</sup> m.

[illegible]

Deck Officer \_\_\_\_\_ Recorder \_\_\_\_\_

## SOUNDING WIRE.

<i>f</i> M. Down.	Up.	<i>f</i> M.
10   54   00	11   04   00	

FMS.

## DREDGING CABLE.

<i>f</i> M. Down.	Up.	<i>f</i> M.
10   54   00	11   04   00	

0  
100  
200  
300  
400  
500  
600  
700  
800  
900  
1000  
1100  
1200  
1300  
1400  
1500  
1600  
1700  
1800  
1900  
2000  
2100  
2200  
2300  
2400  
2500  
2600  
2700  
2800  
2900  
3000  
3100  
3200  
3300  
3400  
3500  
3600  
3700  
3800  
3900  
4000  
4100  
4200  
4300  
4400  
4500  
4600  
4700  
4800  
4900

*Dredge* } No. 5216 Date, Oct 12, 1912  
*Hydrog.* }

Sdg. Mch. 77 Reel 77 Shot 14 lbs.  
Lead

Turns ..... Cor'n ..... Depth 12 fms.

Sdg. Cup	Amt. Bot'm Sample
1	1
2	2
3	3
4	4
5	5
6	6
7	7
8	8
9	9
10	10
11	11
12	12
13	13
14	14
15	15
16	16
17	17
18	18
19	19
20	20
21	21
22	22
23	23
24	24
25	25
26	26
27	27
28	28
29	29
30	30
31	31
32	32
33	33
34	34
35	35
36	36
37	37
38	38
39	39
40	40
41	41
42	42
43	43
44	44
45	45
46	46
47	47
48	48
49	49
50	50
51	51
52	52
53	53
54	54
55	55
56	56
57	57
58	58
59	59
60	60
61	61
62	62
63	63
64	64
65	65
66	66
67	67
68	68
69	69
70	70
71	71
72	72
73	73
74	74
75	75
76	76
77	77
78	78
79	79
80	80
81	81
82	82
83	83
84	84
85	85
86	86
87	87
88	88
89	89
90	90
91	91
92	92
93	93
94	94
95	95
96	96
97	97
98	98
99	99
100	100

### Character of Bottom

Thermom. { Make *M* Cor'n { Instr.  
              { No. *1010* = *1023*        { Stem.

Bottom Reading 5: 2: 1.5 Cor'd Temp. 56.48

Temp. Surf. { 67.2 Time 11:26 a } Air { 62 }

Density: Surf. fms.

Wind: Direction *N, S, E* Force *2*

Baromet.	30.1	Amt. of Clouds	2	State of Sea	
----------	------	----------------	---	--------------	--

Weather ----- *bc*

Direction and Force of Current.	Surface		Bottom	
	Direction	Force	Direction	Force
1	2	1/2	2	1/2
2	3	1/2	3	1/2
3	4	1/2	4	1/2
4	5	1/2	5	1/2
5	6	1/2	6	1/2
6	7	1/2	7	1/2
7	8	1/2	8	1/2
8	9	1/2	9	1/2
9	10	1/2	10	1/2
10	11	1/2	11	1/2
11	12	1/2	12	1/2
12	13	1/2	13	1/2
13	14	1/2	14	1/2
14	15	1/2	15	1/2
15	16	1/2	16	1/2
16	17	1/2	17	1/2
17	18	1/2	18	1/2
18	19	1/2	19	1/2
19	20	1/2	20	1/2
20	21	1/2	21	1/2
21	22	1/2	22	1/2
22	23	1/2	23	1/2
23	24	1/2	24	1/2
24	25	1/2	25	1/2
25	26	1/2	26	1/2
26	27	1/2	27	1/2
27	28	1/2	28	1/2
28	29	1/2	29	1/2
29	30	1/2	30	1/2
30	31	1/2	31	1/2
31	32	1/2	32	1/2
32	33	1/2	33	1/2
33	34	1/2	34	1/2
34	35	1/2	35	1/2
35	36	1/2	36	1/2
36	37	1/2	37	1/2
37	38	1/2	38	1/2
38	39	1/2	39	1/2
39	40	1/2	40	1/2
40	41	1/2	41	1/2
41	42	1/2	42	1/2
42	43	1/2	43	1/2
43	44	1/2	44	1/2
44	45	1/2	45	1/2
45	46	1/2	46	1/2
46	47	1/2	47	1/2
47	48	1/2	48	1/2
48	49	1/2	49	1/2
49	50	1/2	50	1/2
50	51	1/2	51	1/2
51	52	1/2	52	1/2
52	53	1/2	53	1/2
53	54	1/2	54	1/2
54	55	1/2	55	1/2
55	56	1/2	56	1/2
56	57	1/2	57	1/2
57	58	1/2	58	1/2
58	59	1/2	59	1/2
59	60	1/2	60	1/2
60	61	1/2	61	1/2
61	62	1/2	62	1/2
62	63	1/2	63	1/2
63	64	1/2	64	1/2
64	65	1/2	65	1/2
65	66	1/2	66	1/2
66	67	1/2	67	1/2
67	68	1/2	68	1/2
68	69	1/2	69	1/2
69	70	1/2	70	1/2
70	71	1/2	71	1/2
71	72	1/2	72	1/2
72	73	1/2	73	1/2
73	74	1/2	74	1/2
74	75	1/2	75	1/2
75	76	1/2	76	1/2
76	77	1/2	77	1/2
77	78	1/2	78	1/2
78	79	1/2	79	1/2
79	80	1/2	80	1/2
80	81	1/2	81	1/2
81	82	1/2	82	1/2
82	83	1/2	83	1/2
83				

Tide \_\_\_\_\_

*General Locality*

### Position

Chart used: No.  Ed'n

Drift: Direction ..... Distance .....

Depth of Haul ..... 175 fms.

### Apparatus and Rig used

Time towing h. m.

Remarks: *L. (C. m.)*

Deck Officer *W. C. K.* Recorder

## SOUNDING WIRE.

*A* M. Down. | Up. | *A* M.  
 11 11 00 11 26 00

FMS.

## DREDGING CABLE.

*A* M. Down. | Up. | *A* M.  
 11 17 22 11 29 40

0  
100  
200  
300  
400  
500  
600  
700  
800  
900  
1000  
1100  
1200  
1300  
1400  
1500  
1600  
1700  
1800  
1900  
2000  
2100  
2200  
2300  
2400  
2500  
2600  
2700  
2800  
2900  
3000  
3100  
3200  
3300  
3400  
3500  
3600  
3700  
3800  
3900  
4000  
4100  
4200  
4300  
4400  
4500  
4600  
4700  
4800  
4900

~~Acetone~~ } No. 217 Date, Oct 12, 1912  
Hydrog. }

## SOUNDING WIRE.

M. DOWN.			Up.	M.		
11	39	00	"	49	00	

FMS.

## DREDGING CABLE.

M. DOWN.			Up.	M.		
11	00	00	11	50	00	

0  
100  
200  
300  
400  
500  
600  
700  
800  
900  
1000  
1100  
1200  
1300  
1400  
1500  
1600  
1700  
1800  
1900  
2000  
2100  
2200  
2300  
2400  
2500  
2600  
2700  
2800  
2900  
3000  
3100  
3200  
3300  
3400  
3500  
3600  
3700  
3800  
3900  
4000  
4100  
4200  
4300  
4400  
4500  
4600  
4700  
4800  
4900

Line of Hydrog. No. 5217 Date, Oct 12, 1912

Sdg. Mch. Reel T.T. Shot/Lead 14 lbs.

Turns Cor'n Depth 14 1/2 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make N.3. Cor'n { Instr. No. 1019 - R1023 Stem.

Bottom Reading 954.3 Cor'd Temp. 56.13

Temp. Surf. { 55.68 Time 12:30 Air { 64

Density: Surf. fms.

Wind: Direction Variable Force 0-1

Baromet. 30.13 Amt. of Clouds .1 State of Sea 2

Weather fog

Direction and Force of Current { Surface { 30 rev. in 1 Sec. Bottom { 30 32

Tide

General Locality

Position

Chart used: No.

Ed'n

Drift: Direction

Distance

Depth of Haul Inter.

Apparatus and Rig used

Remarks:

Deck Officer

Recorder



SOUNDING WIRE.			FMS.	DREDGING CABLE.		
<input checked="" type="checkbox"/> M. DOWN.	UP.	<input checked="" type="checkbox"/> M.		<input checked="" type="checkbox"/> M. DOWN.	UP.	<input checked="" type="checkbox"/> M.
12	12	00	12	22	00	
			0			
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

11-1025

## SOUNDING WIRE.

M. Down. Up. M.

10	9	10	10	27	50
10	12	10	10	22	10

FMS.

## DREDGING CABLE.

M. Down. Up. M.

0	10	47	25	11	45	30
100	10	53	25	11	45	30
200	10	57	20			
300	11	05	45	11	17	45
400						
500						
600						
700						
800						
900						
1000						
1100						
1200						
1300						
1400						
1500						
1600						
1700						
1800						
1900						
2000						
2100						
2200						
2300						
2400						
2500						
2600						
2700						
2800						
2900						
3000						
3100						
3200						
3300						
3400						
3500						
3600						
3700						
3800						
3900						
4000						
4100						
4200						
4300						
4400						
4500						
4600						
4700						
4800						
4900						

11-1023

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
			0	12 58 00	/	34 00
			100	1 01 50	/	34 30
			120 200	1 02 50		
			130 300	1 07 40	/	32 30
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge } No. 5787 Date, Oct 19  
Hydrog. }  
Sdg. Mch. } Reel Shot Lead 14 lbs.

Turns Cor'n Depth 47 fms.  
Sdg. Cup Amt. Bot'm Sample  
Character of Bottom

Thermom. { Make Cor'n { Instr.  
              { No.                 { Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { Time Air {  
                  { Time

Density: Surf. fms.

Wind: Direction Force

Baromet. Amt. of Clouds State of Sea

Weather

Direction and Force of Current { Surface  
  { Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul Bottom

Apparatus and Rig used 10' Towing; 4 fms.  
1 lb. net weight 3 glass

Time towing h. m.

Remarks:

Deck Officer H. H. H. Recorder J. H. H.  
11-1023

## SOUNDING WIRE.

M. Down. Up. M.

FMS.

## DREDGING CABLE.

P M. Down. Up. P M.

0

100

130 ~~200~~

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

2 18 00

2 21 20

2 22 30

2 52 00

2 53 30

2 52 30

11-1021



SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	P. M.		M. Down.	Up.	P. M.
2 55 00	3 12 50		0	2 57 20	3 08 30	
			100			
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

5221

Dredge } No. 7 Date, Oct 21, 1901  
Hydrog. }  
Sdg. Mch. 72 Reel Shot Lead 1 lb.  
Turns Cor'n Depth 64 fms.  
Sdg. Cup Amt. Bot'm Sample  
Character of Bottom

Thermom. { Make 7. Instr. Cor'n {  
                  { No. L. Stem.

Bottom Reading 49' Cor'd Temp. 48.76  
                  250.1' 250.0' 44.71

Temp. Surf. { 52.5 Time Air { 53.0  
                  Time

Density: Surf. fms.

Wind: Direction 045 Force 2

Baromet. 30.12 Amt. of Clouds 1 State of Sea 2

Weather

Direction and Force of Current { Surface  
  { Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul bottom

Apparatus and Rig used 12'

Time towing h. m.

Remarks: Haul with 4' Dredge & 2 Rigs

Deck Officer Recorder

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
P. M. Down.			Up. P. M.				P. M. Down.			Up. P. M.		
1	10	30	1	24	35	0	1	30	00	1	30	00
1	14	10	1	24	10	68-100	1	34	15	1	34	15
						200	1	40	15	1	37	00
						300						
						400						
						500						
						600						
						700						
						800						
						900						
						1000						
						1100						
						1200						
						1300						
						1400						
						1500						
						1600						
						1700						
						1800						
						1900						
						2000						
						2100						
						2200						
						2300						
						2400						
						2500						
						2600						
						2700						
						2800						
						2900						
						3000						
						3100						
						3200						
						3300						
						3400						
						3500						
						3600						
						3700						
						3800						
						3900						
						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						

Hyd 5-292

Dredge } No. \_\_\_\_\_ Date, \_\_\_\_\_, 19\_\_  
Hydrog. }  
Sdg. Mch. \_\_\_\_\_ Reel \_\_\_\_\_ Shot & Lead \_\_\_\_\_ lbs.  
Turns \_\_\_\_\_ Cor'n \_\_\_\_\_ Depth 46 fms.

Sdg. Cup \_\_\_\_\_ Amt. Bot'm Sample \_\_\_\_\_  
Character of Bottom \_\_\_\_\_

Thermom. { Make \_\_\_\_\_ Cor'n { Instr. \_\_\_\_\_  
                  { No. \_\_\_\_\_                         { Stem. \_\_\_\_\_  
Bottom Reading: \_\_\_\_\_ Cor'd Temp. 48.86

Temp. Surf. { \_\_\_\_\_ Time \_\_\_\_\_ } Air { \_\_\_\_\_  
                  { 52.58 Time \_\_\_\_\_ }                         { \_\_\_\_\_

Density: Surf. \_\_\_\_\_ fms. \_\_\_\_\_

Wind: Direction West Force 2

Baromet. 30.14 Amt. of Clouds 0 State of Sea 2

Weather bc

Direction and Force of Current { Surface \_\_\_\_\_  
  { Bottom \_\_\_\_\_

Tide \_\_\_\_\_

General Locality \_\_\_\_\_

Position \_\_\_\_\_

Chart used: No. \_\_\_\_\_ Ed'n \_\_\_\_\_

Drift: Direction \_\_\_\_\_ Distance \_\_\_\_\_

Depth of Haul bottom

Apparatus and Rig used 12' Agassiz, 1 mud  
bag, 1 trawl, weights 1 lb.

Time towing \_\_\_\_\_ h. 20 m.

Remarks: 1 specimen of the. Neocyprina  
put in bottle for study  
1 specimen of the. Neocyprina  
put in bottle for study  
1 specimen of the. Neocyprina  
put in bottle for study

Deck Officer \_\_\_\_\_ Recorder \_\_\_\_\_

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
2 57 50	2 35 50		0	2 55 50	3 27 15	
2 57 45	2 37 50		100	2 59 00	3 17 50	
			200	3 02 50	3 15 50	
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge } No. 5790 Date, Oct 22, 1911  
Hydrog. }  
Sdg. Mch. Reel Shot } 14 lbs.  
Lead }  
Turns Cor'n Depth 55 fms.  
Sdg. Cup Amt. Bot'm Sample  
Character of Bottom

Thermom. { Make *A 2* -----  
 { No. *1017 - 1021* -----  
 Inter *10.7* -----  
 Reading *10.7* -----  
 { Cor'd Temp. *49.5* -----  
 { at *15 fms.* -----  
 { Cor'd Temp. *49.5* -----  
 { Time *11.30* -----  
 { Air -----  
 { Time -----  
 { *52.68* -----

Density: Surf. \_\_\_\_\_ fms. \_\_\_\_\_  
 Wind: Direction SE Force 2-3  
 Baromet. 30.2 Amt. of Clouds 10 State of Sea C  
 Weather bc

Direction and Force of Current.	Surface		Bottom	
	Drift.	Force.	Drift.	Force.
1.				
2.				
3.				
4.				
5.				
6.				
7.				
8.				
9.				
10.				
11.				
12.				
13.				
14.				
15.				
16.				
17.				
18.				
19.				
20.				
21.				
22.				
23.				
24.				
25.				
26.				
27.				
28.				
29.				
30.				
31.				
32.				
33.				
34.				
35.				
36.				
37.				
38.				
39.				
40.				
41.				
42.				
43.				
44.				
45.				
46.				
47.				
48.				
49.				
50.				
51.				
52.				
53.				
54.				
55.				
56.				
57.				
58.				
59.				
60.				
61.				
62.				
63.				
64.				
65.				
66.				
67.				
68.				
69.				
70.				
71.				
72.				
73.				
74.				
75.				
76.				
77.				
78.				
79.				
80.				
81.				
82.				
83.				
84.				
85.				
86.				
87.				
88.				
89.				
90.				
91.				
92.				
93.				
94.				
95.				
96.				
97.				
98.				
99.				
100.				

Title \_\_\_\_\_

*General Locality* . . . . .

Position

Chart used : No. Ed'n

*Drift: Direction* 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 200 210 220 230 240 250 260 270 280 290 300 310 320 330 340 350 360 *Distance* 0 10 20 30 40 50 60 70 80 90 100 110 120 130 140 150 160 170 180 190 200 210 220 230 240 250 260 270 280 290 300 310 320 330 340 350 360

Depth of Haul 41, 42, 43, 44, 45, 46, 47, 48, 49, 50, 51, 52, 53, 54, 55, 56, 57, 58, 59, 60, 61, 62, 63, 64, 65, 66, 67, 68, 69, 70, 71, 72, 73, 74, 75, 76, 77, 78, 79, 80, 81, 82, 83, 84, 85, 86, 87, 88, 89, 90, 91, 92, 93, 94, 95, 96, 97, 98, 99, 100, 101, 102, 103, 104, 105, 106, 107, 108, 109, 110, 111, 112, 113, 114, 115, 116, 117, 118, 119, 120, 121, 122, 123, 124, 125, 126, 127, 128, 129, 130, 131, 132, 133, 134, 135, 136, 137, 138, 139, 140, 141, 142, 143, 144, 145, 146, 147, 148, 149, 150, 151, 152, 153, 154, 155, 156, 157, 158, 159, 160, 161, 162, 163, 164, 165, 166, 167, 168, 169, 170, 171, 172, 173, 174, 175, 176, 177, 178, 179, 180, 181, 182, 183, 184, 185, 186, 187, 188, 189, 190, 191, 192, 193, 194, 195, 196, 197, 198, 199, 200, 201, 202, 203, 204, 205, 206, 207, 208, 209, 210, 211, 212, 213, 214, 215, 216, 217, 218, 219, 220, 221, 222, 223, 224, 225, 226, 227, 228, 229, 230, 231, 232, 233, 234, 235, 236, 237, 238, 239, 240, 241, 242, 243, 244, 245, 246, 247, 248, 249, 250, 251, 252, 253, 254, 255, 256, 257, 258, 259, 260, 261, 262, 263, 264, 265, 266, 267, 268, 269, 270, 271, 272, 273, 274, 275, 276, 277, 278, 279, 280, 281, 282, 283, 284, 285, 286, 287, 288, 289, 290, 291, 292, 293, 294, 295, 296, 297, 298, 299, 300, 301, 302, 303, 304, 305, 306, 307, 308, 309, 310, 311, 312, 313, 314, 315, 316, 317, 318, 319, 320, 321, 322, 323, 324, 325, 326, 327, 328, 329, 330, 331, 332, 333, 334, 335, 336, 337, 338, 339, 340, 341, 342, 343, 344, 345, 346, 347, 348, 349, 350, 351, 352, 353, 354, 355, 356, 357, 358, 359, 360, 361, 362, 363, 364, 365, 366, 367, 368, 369, 370, 371, 372, 373, 374, 375, 376, 377, 378, 379, 380, 381, 382, 383, 384, 385, 386, 387, 388, 389, 390, 391, 392, 393, 394, 395, 396, 397, 398, 399, 400, 401, 402, 403, 404, 405, 406, 407, 408, 409, 410, 411, 412, 413, 414, 415, 416, 417, 418, 419, 420, 421, 422, 423, 424, 425, 426, 427, 428, 429, 430, 431, 432, 433, 434, 435, 436, 437, 438, 439, 440, 441, 442, 443, 444, 445, 446, 447, 448, 449, 450, 451, 452, 453, 454, 455, 456, 457, 458, 459, 460, 461, 462, 463, 464, 465, 466, 467, 468, 469, 470, 471, 472, 473, 474, 475, 476, 477, 478, 479, 480, 481, 482, 483, 484, 485, 486, 487, 488, 489, 490, 491, 492, 493, 494, 495, 496, 497, 498, 499, 500, 501, 502, 503, 504, 505, 506, 507, 508, 509, 510, 511, 512, 513, 514, 515, 516, 517, 518, 519, 520, 521, 522, 523, 524, 525, 526, 527, 528, 529, 530, 531, 532, 533, 534, 535, 536, 537, 538, 539, 540, 541, 542, 543, 544, 545, 546, 547, 548, 549, 550, 551, 552, 553, 554, 555, 556, 557, 558, 559, 560, 561, 562, 563, 564, 565, 566, 567, 568, 569, 570, 571, 572, 573, 574, 575, 576, 577, 578, 579, 580, 581, 582, 583, 584, 585, 586, 587, 588, 589, 590, 591, 592, 593, 594, 595, 596, 597, 598, 599, 600, 601, 602, 603, 604, 605, 606, 607, 608, 609, 610, 611, 612, 613, 614, 615, 616, 617, 618, 619, 620, 621, 622, 623, 624, 625, 626, 627, 628, 629, 630, 631, 632, 633, 634, 635, 636, 637, 638, 639, 640, 641, 642, 643, 644, 645, 646, 647, 648, 649, 650, 651, 652, 653, 654, 655, 656, 657, 658, 659, 660, 661, 662, 663, 664, 665, 666, 667, 668, 669, 670, 671, 672, 673, 674, 675, 676, 677, 678, 679, 680, 681, 682, 683, 684, 685, 686, 687, 688, 689, 690, 691, 692, 693, 694, 695, 696, 697, 698, 699, 700, 701, 702, 703, 704, 705, 706, 707, 708, 709, 710, 711, 712, 713, 714, 715, 716, 717, 718, 719, 720, 721, 722, 723, 724, 725, 726, 727, 728, 729, 730, 731, 732, 733, 734, 735, 736, 737, 738, 739, 740, 741, 742, 743, 744, 745, 746, 747, 748, 749, 750, 751, 752, 753, 754, 755, 756, 757, 758, 759, 760, 761, 762, 763, 764, 765, 766, 767, 768, 769, 770, 771, 772, 773, 774, 775, 776, 777, 778, 779, 780, 781, 782, 783, 784, 785, 786, 787, 788, 789, 790, 791, 792, 793, 794, 795, 796, 797, 798, 799, 800, 801, 802, 803, 804, 805, 806, 807, 808, 809, 810, 811, 812, 813, 814, 815, 816, 817, 818, 819, 820, 821, 822, 823, 824, 825, 826, 827, 828, 829, 830, 831, 832, 833, 834, 835, 836, 837, 838, 839, 840, 841, 842, 843, 844, 845, 846, 847, 848, 849, 850, 851, 852, 853, 854, 855, 856, 857, 858, 859, 860, 861, 862, 863, 864, 865, 866, 867, 868, 869, 870,

#### Apparatus and Rig used

u. 12. 10. 1911

but not quite as complete as the

Time towing 1h 20 m

Remarks: *Forced to leave by the police.*

11/20/2011

[0](#) [1](#) [2](#) [3](#) [4](#) [5](#) [6](#) [7](#) [8](#) [9](#) [A](#) [B](#) [C](#) [D](#) [E](#) [F](#) [G](#) [H](#) [I](#) [J](#) [K](#) [L](#) [M](#) [N](#) [O](#) [P](#) [Q](#) [R](#) [S](#) [T](#) [U](#) [V](#) [W](#) [X](#) [Y](#) [Z](#)

[illegible]

Deck Officer \_\_\_\_\_ Recorder \_\_\_\_\_

\_\_\_\_\_

## SOUNDING WIRE.

M. Down. | Up. | M.

FMS.

## DREDGING CABLE.

M. Down. | Up. | M.

11 15 00 11 50 00 35

11 34 00 11 30 30

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

11 37

11 34

Dredge } No. \_\_\_\_\_ Date, \_\_\_\_\_, 19\_\_  
Hydrog. }

Sdg. Mch. \_\_\_\_\_ Reel \_\_\_\_\_ Shot } 14 lbs.  
Lead }

Turns \_\_\_\_\_ Cor'n \_\_\_\_\_ Depth 24 fms.

Sdg. Cup \_\_\_\_\_ Amt. Bot'm Sample \_\_\_\_\_

Character of Bottom \_\_\_\_\_

Thermom. { Make D. 3. No. 101971 Cor'n { Instr. \_\_\_\_\_ Stem. \_\_\_\_\_

Bottom Reading \_\_\_\_\_ Cor'd Temp. 77.5  
Fath. 49.9 49.5 49.3

Temp. Surf. { Time \_\_\_\_\_ Air { Time \_\_\_\_\_

Density: Surf. \_\_\_\_\_ fms. \_\_\_\_\_

Wind: Direction \_\_\_\_\_ Force 3

Baromet. \_\_\_\_\_ Amt. of Clouds 0 State of Sea C

Weather \_\_\_\_\_

Direction and Force of Current { Surface \_\_\_\_\_ Bottom \_\_\_\_\_

Tide \_\_\_\_\_

General Locality \_\_\_\_\_

Position \_\_\_\_\_

Chart used: No. \_\_\_\_\_ Ed'n \_\_\_\_\_

Drift: Direction \_\_\_\_\_ Distance \_\_\_\_\_

Depth of Haul Bottom

Apparatus and Rig used \_\_\_\_\_

Time towing h. 10 m.

Remarks: Lost weight after lifting from water. Bottom water bottle used.

Deck Officer \_\_\_\_\_ Recorder H. W. \_\_\_\_\_  
11-1023



## SOUNDING WIRE.

M. Down. Up. M.

FMS.

## DREDGING CABLE.

M. Down. Up. M.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

Hydro

20

/ 1330

Dredge } No. 1 Date, Oct 22, 1912  
Hydrog. }

Sdg. Mch. Reel 14 Sdg. Lead 14 lbs.

Turns Cor'n Depth 26 fms.

Sdg. Cup Amt. Bot'm Sample

Character of Bottom

Thermom. { Make No. 211019 R Cor'n { Instr. Stem.

Bottom Reading Cor'd Temp. 51.2

Temp. Surf. { Time 37.88 } Air {

Density: Surf. fms.

Wind: Direction S. E. Force 2-3

Baromet. Amt. of Clouds State of Sea

Weather

Direction and Force of Current { Surface Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul

Apparatus and Rig used

Time towing h. 20 m.

Remarks:

Deck Officer Recorder

## SOUNDING WIRE.

P M. Down. | Up. P M.

FMS.

## DREDGING CABLE.

P M. Down. | Up. P M.

0

100

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

Dredge, } No. \_\_\_\_\_ Date, \_\_\_\_\_, 19 / \_\_\_\_  
Hydrog. }

Sdg. Mch.	Reel	Shot Lead	Lbs.
1	1	1	1
2	2	2	2
3	3	3	3
4	4	4	4
5	5	5	5
6	6	6	6
7	7	7	7
8	8	8	8
9	9	9	9
10	10	10	10
11	11	11	11
12	12	12	12
13	13	13	13
14	14	14	14
15	15	15	15
16	16	16	16
17	17	17	17
18	18	18	18
19	19	19	19
20	20	20	20
21	21	21	21
22	22	22	22
23	23	23	23
24	24	24	24
25	25	25	25
26	26	26	26
27	27	27	27
28	28	28	28
29	29	29	29
30	30	30	30
31	31	31	31
32	32	32	32
33	33	33	33
34	34	34	34
35	35	35	35
36	36	36	36
37	37	37	37
38	38	38	38
39	39	39	39
40	40	40	40
41	41	41	41
42	42	42	42
43	43	43	43
44	44	44	44
45	45	45	45
46	46	46	46
47	47	47	47
48	48	48	48
49	49	49	49
50	50	50	50
51	51	51	51
52	52	52	52
53	53	53	53
54	54	54	54
55	55	55	55
56	56	56	56
57	57	57	57
58	58	58	58
59	59	59	59
60	60	60	60
61	61	61	61
62	62	62	62
63	63	63	63
64	64	64	64
65	65	65	65
66	66	66	66
67	67	67	67
68	68	68	68
69	69	69	69
70	70	70	70
71	71	71	71
72	72	72	72
73	73	73	73
74	74	74	74
75	75	75	75
76	76	76	76
77	77	77	77
78	78	78	78
79	79	79	79
80	80	80	80
81	81	81	81
82	82	82	82
83	83	83	83
84	84	84	84
85	85	85	85
86	86	86	86
87	87	87	87
88	88	88	88
89	89	89	89
90	90	90	90
91	91	91	91
92	92	92	92
93	93	93	93
94	94	94	94
95	95	95	95
96	96	96	96
97	97	97	97
98	98	98	98
99	99	99	99
100	100	100	100

Turns \_\_\_\_\_ Cor'n \_\_\_\_\_ Depth 10 fms

Sdg. Cup ----- Amt. Bot'm Sample -----

*Character of Bottom* \_\_\_\_\_

Thermom. { Make ..... Cor'n { Instr. ....  
              { No. ....                 { Stem. ....

Bottom Reading \_\_\_\_\_ Cor'd Temp, \_\_\_\_\_

Temp. Surf.	Time	Air
	Time	
61	10.00	61
61	10.15	61
61	10.30	61
61	10.45	61
61	11.00	61
61	11.15	61
61	11.30	61
61	11.45	61
61	12.00	61
61	12.15	61
61	12.30	61
61	12.45	61
61	1.00	61
61	1.15	61
61	1.30	61
61	1.45	61
61	2.00	61
61	2.15	61
61	2.30	61
61	2.45	61
61	3.00	61
61	3.15	61
61	3.30	61
61	3.45	61
61	4.00	61
61	4.15	61
61	4.30	61
61	4.45	61
61	5.00	61
61	5.15	61
61	5.30	61
61	5.45	61
61	6.00	61
61	6.15	61
61	6.30	61
61	6.45	61
61	7.00	61
61	7.15	61
61	7.30	61
61	7.45	61
61	8.00	61
61	8.15	61
61	8.30	61
61	8.45	61
61	9.00	61
61	9.15	61
61	9.30	61
61	9.45	61
61	10.00	61
61	10.15	61
61	10.30	61
61	10.45	61
61	11.00	61
61	11.15	61
61	11.30	61
61	11.45	61
61	12.00	61
61	12.15	61
61	12.30	61
61	12.45	61
61	1.00	61
61	1.15	61
61	1.30	61
61	1.45	61
61	2.00	61
61	2.15	61
61	2.30	61
61	2.45	61
61	3.00	61
61	3.15	61
61	3.30	61
61	3.45	61
61	4.00	61
61	4.15	61
61	4.30	61
61	4.45	61
61	5.00	61
61	5.15	61
61	5.30	61
61	5.45	61
61	6.00	61
61	6.15	61
61	6.30	61
61	6.45	61
61	7.00	61
61	7.15	61
61	7.30	61
61	7.45	61
61	8.00	61
61	8.15	61
61	8.30	61
61	8.45	61
61	9.00	61
61	9.15	61
61	9.30	61
61	9.45	61
61	10.00	61
61	10.15	61
61	10.30	61
61	10.45	61
61	11.00	61
61	11.15	61
61	11.30	61
61	11.45	61
61	12.00	61
61	12.15	61
61	12.30	61
61	12.45	61
61	1.00	61
61	1.15	61
61	1.30	61
61	1.45	61
61	2.00	61
61	2.15	61
61	2.30	61
61	2.45	61
61	3.00	61
61	3.15	61
61	3.30	61
61	3.45	61
61	4.00	61

Density: Surf. fms.

Wind: Direction                      Force                     

Baromet. 30.2 Amt. of Clouds 10 State of Sea 1

Weather 

Direction and Force of Current. { Surface \_\_\_\_\_  
 Bottom \_\_\_\_\_

Title \_\_\_\_\_

*General Locality* .....

Position

Chart used: No. M'd'n

*Drift: Direction* \_\_\_\_\_ *Distance* \_\_\_\_\_

Depth of Haul 150 fms.

**Apparatus and Rig used** *Conventional*

Time towing \_\_\_\_\_ h. \_\_\_\_\_ m.

Remarks:

Deck Officer W. C. Recorder \_\_\_\_\_

## SOUNDING WIRE.

M. Down. Up. M.

FMS.

## DREDGING CABLE.

M. Down. Up. M.

0

11 15 30 11 30 00.

25 100

11 20 00 11 26 00

200

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

Dredge } No. 5761 Date, Oct. 28, 1912  
Hydrog. }  
Sdg. Mch. S.S. Reel Shot } 10 lbs.  
Lead }

Turns ----- Cor'n ----- Depth 10 3/4 fms.

Sdg. Cup ----- Amt. Bot'm Sample -----

Character of Bottom -----

Thermom. { Make ----- Cor'n { Instr. -----  
              { No. -----                 { Stem. -----

Bottom Reading ----- Cor'd Temp. -----

Temp. Surf. { ----- Time ----- } Air {  
                  { ----- Time ----- }

Density: Surf. ----- fms. -----

Wind: Direction West Force 1

Baromet. 30.29 Amt. of Clouds 10 State of Sea S

Weather B

Direction and Force of Current { Surface -----  
  { Bottom -----

Tide -----

General Locality -----

Position -----

Chart used: No. ----- Ed'n -----

Drift: Direction ----- Distance -----

Depth of Haul Bottom

Apparatus and Rig used Oyster dredge

Time towing ----- h. 11 m.

Remarks: Good haul.

Deck Officer W. C. Chapin

Recorder

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		M. Down.	Up.	M.
			0	125 00	1	55 08
			<del>100</del>	125 00	1	57 00
			200			
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge } No. \_\_\_\_\_ Date, \_\_\_\_\_, 19\_\_\_\_  
Hydrog. }  
Sdg. Mch. Hand Reel Reel \_\_\_\_\_ Shot }  
Lead } \_\_\_\_\_ lbs. \_\_\_\_\_  
Turns \_\_\_\_\_ Cor'n \_\_\_\_\_ Depth 6 1/2 fms.  
Sdg. Cup \_\_\_\_\_ Amt. Bot'm Sample \_\_\_\_\_  
Character of Bottom \_\_\_\_\_

Thermom. { Make \_\_\_\_\_ Cor'n { Instr. \_\_\_\_\_  
              { No. \_\_\_\_\_                 { Stem. \_\_\_\_\_  
Bottom Reading \_\_\_\_\_ Cor'd Temp. \_\_\_\_\_

Temp. Surf. { 76° Time 9:40 a } Air { 68° }  
                  { \_\_\_\_\_ Time \_\_\_\_\_ }         { \_\_\_\_\_ }

Density: Surf. \_\_\_\_\_ fms. \_\_\_\_\_  
Wind: Direction Variable Force 0-1  
Baromet. 30.30 Amt. of Clouds 4 State of Sea 2  
Weather bcs

Direction and Force of Current { Surface \_\_\_\_\_  
  { Bottom \_\_\_\_\_

Tide \_\_\_\_\_

General Locality \_\_\_\_\_

Position \_\_\_\_\_

Chart used: No. \_\_\_\_\_ Ed'n \_\_\_\_\_

Drift: Direction \_\_\_\_\_ Distance \_\_\_\_\_

Depth of Haul \_\_\_\_\_

Apparatus and Rig used 6' beam trawl

Time towing \_\_\_\_\_ h. 1 m.

Remarks: 1st haul



## SOUNDING WIRE.

M. Down. | Up. | M.

FMS.

## DREDGING CABLE.

a.m. Down. | Up. | a.m.

0

9 32 40 | 9 49 00

100

9 36 30 | 9 45 45

~~200~~

9 37 35 | 9 45 15

300

400

500

600

700

800

900

1000

1100

1200

1300

1400

1500

1600

1700

1800

1900

2000

2100

2200

2300

2400

2500

2600

2700

2800

2900

3000

3100

3200

3300

3400

3500

3600

3700

3800

3900

4000

4100

4200

4300

4400

4500

4600

4700

4800

4900

Dredge { No. 5796 Date, Oct 29, 1912  
Hydrog.

Sdg. Mch. Hand line Reel Shot Lead lbs.

Turns Cor'n Depth 19 1/2 fms.

Sdg. Cup Amt. Bot'm Sample to 13 1/2 at end of haul

Character of Bottom

Thermom. { Make Cor'n { Instr. No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 56° Time 10:57 } Air { 55° Time

Density: Surf. fms.

Wind: Direction Various Force 0-1

Baromet. 30.29 Amt. of Clouds 9 State of Sea 2

Weather haze

Direction and Force of Current { Surface Bottom

Tide Flood

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul bottom

Apparatus and Rig used Oyster rake, 4 glass floats.

Time towing h. 9 m.

Remarks:

Deck Officer Bain King Recorder C. B. DeLong

SOUNDING WIRE.			FMS.	DREDGING CABLE.		
M. Down.	Up.	M.		a M. Down.	Up.	a M.
			0	10 35 40	10 49 40	
			100	10 39 20	10 46 20	
			<del>200</del>	10 41 05	10 44 30	
			300			
			400			
			500			
			600			
			700			
			800			
			900			
			1000			
			1100			
			1200			
			1300			
			1400			
			1500			
			1600			
			1700			
			1800			
			1900			
			2000			
			2100			
			2200			
			2300			
			2400			
			2500			
			2600			
			2700			
			2800			
			2900			
			3000			
			3100			
			3200			
			3300			
			3400			
			3500			
			3600			
			3700			
			3800			
			3900			
			4000			
			4100			
			4200			
			4300			
			4400			
			4500			
			4600			
			4700			
			4800			
			4900			

Dredge } No. 5797 Date, Oct 29, 1912  
Hydrog. }  
Sdg. Mch. Hand line Reel Shot }  
Lead } 7 1/2 - end of haul lbs.  
Turns Cor'n Depth 8 1/2 fms.  
Sdg. Cup Amt. Bot'm Sample  
Character of Bottom

Thermom. { Make Cor'n { Instr.  
No. Stem.

Bottom Reading Cor'd Temp.

Temp. Surf. { 58.0 Time 11:52 } Air { 56.0  
Time

Density: Surf. fms.

Wind: Direction Various Force 0-7

Baromet. 30.28 Amt. of Clouds 9 State of Sea S

Weather bcg

Direction and Force of Current { Surface  
Bottom

Tide

General Locality

Position

Chart used: No. Ed'n

Drift: Direction Distance

Depth of Haul bottom

Apparatus and Rig used 5' Tanner, wooden runner  
2 glass floats, ~~a thinning weight~~

Time towing h. 7 1/4 m.

Remarks:

Deck Officer Ross King Recorder C. E. Kellogg

H. W. Cribbs

SOUNDING WIRE.						FMS.	DREDGING CABLE.					
M. Down.			Up.		M.		A.M. Down.			Up.	A.M.	
						0	11	51	00	12	01	30
						<del>35-100</del>	11	54	15			
						40-200	11	55	00	12	01	30
						300						
						400						
						500						
						600						
						700						
						800						
						900						
						1000						
						1100						
						1200						
						1300						
						1400						
						1500						
						1600						
						1700						
						1800						
						1900						
						2000						
						2100						
						2200						
						2300						
						2400						
						2500						
						2600						
						2700						
						2800						
						2900						
						3000						
						3100						
						3200						
						3300						
						3400						
						3500						
						3600						
						3700						
						3800						
						3900						
						4000						
						4100						
						4200						
						4300						
						4400						
						4500						
						4600						
						4700						
						4800						
						4900						